

MSDS**MSDS Vasco 1000, Art. 2800**

Product identification • Product composition • Emergency and First Aid Procedures • Fire and explosion hazard data • Precautions for safe handling and use • Control measures • Chemical and physical properties of the complete product • Reactivity data • Health and hazard data • Environmental, regulatory and supplemental information

**Product Identification**

Manufacturer: Blaser Swisslube, Inc.
Address: 31 Hatfield Lane
 Goshen, NY 10924
 USA
Emergency phone number USA: (845) 294-3200
Product name: Vasco 1000 Art. No. 2800
Product type: Water-miscible vegetable oil based metalworking fluid
Prepared by: OH&S Coordinator
Date of issue: January 15, 2002
Supersedes: Edition 7 of 01/07/00

HMIS (1)	
Health	0
Fire	1
Reactivity	0

(1) See last page for explanations

**Product composition**

Vasco 1000, Art. 2800 is a mixture of vegetable oils, emulsifiers and inhibitors. None of the ingredients are subject to exposure limits:

INGREDIENT:	%
Food grade vegetable oil	45-65
Emulsifiers	25-45
Polar and EP Additives	2-7


Vasco 1000 **does not contain** as an ingredient: mineral oil, chlorinated additives, phenols, nitrites and/or nitrate releasing agents, boron, diethanolamine, NDELA, heavy metals (ie: lead, mercury etc.) arsenic, PCB, PCT, TCDD or other dioxin related substances.

**Emergency and First Aid Procedures**

Skin contact: Wash with plenty of soap and fresh water (good personal hygiene practices are sufficient).
 Remove any contaminated clothing and launder before reuse.
Eye contact: Rinse with plenty of fresh water for 20 minutes. Consult physician if necessary.
Inhalation: Remove to fresh air.
Ingestion: **Do not induce vomiting, pulmonary aspiration hazard,** consult a physician without delay. If involuntary vomiting occurs, keep airways clear. Get medical attention.



Fire and explosion hazard data

Flash point: (COC):	356°F (180°C)	
Auto ignition temperature:	Not determined	
Explosion limits:	Not applicable	
Hazardous combustion products:	Oxides of carbon, nitrogen and traces of oxides of sulfur and phosphorus.	
Products formed under abnormal conditions:	None	
Fire fighting media:	CO ₂ , dry chemical, foam	
Special fire fighting procedures:	Wear self-contained breathing apparatus when fighting fires in confined spaces. Cool exposed containers with water mist to prevent pressure build-up.	
Unusual fire or explosion hazards:	None	

(1) See last page for explanation



Precautions for safe handling and use

Steps to be taken in case material is released or spilled:	As with any other industrial lubricating oil, use oil-binding agents. Spills or leaks may cause slippery conditions. Prevent material from getting into storm sewers or surface waters.
Waste disposal methods:	Dispose according to all applicable federal, state and local regulations.
Precautions to be taken in handling/storing:	Avoid direct solar irradiation of concentrate containers. Do not store below 39°F (4°C).
Other precautions:	Do not store with strong oxidizers.



Control measures

Respiratory protection:	Not generally required.
Ventilation:	Normally general ventilation is sufficient.
Protective gloves:	Impervious gloves recommended where prolonged or repeated contact cannot be avoided.
Eye protection:	Industrial safety glasses are recommended.
Other protective equipment or clothing:	Standard work clothing and shoes.
Work/hygienic practices:	Thorough personal hygiene and clean working practices are sufficient.



Chemical and physical properties of the complete product

Volatiles, %:	Nil
Vapor pressure:	Not volatile
Boiling point:	> 390°F (200°C)
Pour point:	12.2°F (-11°C)
pH @ 5%:	8.6 - 9.0
Specific gravity:	0.948g/cm ³

Solubility in water: yes
Color of liquid: Brown
Viscosity: 150mm²/S @ 68°F (20°C)
 63mm²/S @ 104°F (40°C)



Reactivity data

Stability: Stable
Conditions to avoid: Avoid direct solar irradiation of containers. Do not store below 39°F (4°C). Good and safe housekeeping procedures suggest that all combustible materials be stored away from strong oxidizers.
Incompatibility (materials to avoid): **Concentrate:** Strong oxidizers
End use dilutions: Magnesium
Hazardous decomposition or byproducts: None
Hazardous polymerization or byproducts: Will not occur.



Health and hazard data

LD50 of concentrate: > 5g/kg (calculated)
Health hazards (acute/chronic): None
Skin irritation: Negative
Eye irritation: Negative
Carcinogenicity: None
Routes of entry: Inhalation: Possible
 Skin: No
 Ingestion: Accidental only
Ames test: Negative
Signs and symptoms of exposure: None established
Medical conditions generally aggravated by exposure: Not established
OSHA regulated: No



Environmental, regulatory and supplemental information

NFPA Storage: III B
SARA Title III Information: No
 - Immediate health (acute):
 - Reactive hazard: No
 - Fire hazard: No
 - Delayed health (chronic): No
 - Sudden pressure release: No
SARA notification under 40 CFR part 372:

This notification must not be detached from the MSDS and any copying and redistribution of this MSDS must include this notice, as required by 40 CFR part 372: Vasco 1000 contains a zinc compound that is reportable under SARA Title III, Section 313 (4% ZDP, CAS No. 68649-42-3).

RCRA / Hazardous Waste:

Vasco 1000, as sold, does not meet the criteria of a hazardous waste as defined under 40CFR 261, in that it does not exhibit the characteristics of a hazardous waste of subpart C, nor is it listed as a hazardous waste under subpart D. It is the end user's responsibility to determine the regulatory status of the waste at the time of disposal.

TSCA:

All ingredients of Vasco 1000 are listed on the TSCA Chemical Substances Inventory.

Clean Air Act:

Vasco 1000 does not contain nor is it manufactured with ozone depleting substances as defined in the Federal Clean Air Act Amendments of 1990, sections 602 and 611.

Canadian DSL / NDSL Information:

All ingredients of Vasco 1000 are listed on Canadian DSL.

HIMIS Ratings	0	1	2	3	4
Health, Fire, Reactivity	Minimal	Slight	Moderate	Serious	Extreme
NFPA 704 Ratings					
Health Hazard	Normal Material	Slightly Hazardous	Hazardous	Extreme danger	Deadly
Fire (Flash Point)	Will not burn	>200°F	100-200°F	73-100°F	<73°F
Reactivity	Stable	Unstable if heated	Violent Chemical change	Shock and Heat may detonate	May detonate